

[IT 242 Week 9 Final Project WAN Design](#)

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Resource: Appendix A

Due Date: Day 7 [Individual forum]

Read Appendix A.

Develop a plan to set up a wide area network based on the scenario presented in Appendix A. Your plan must include the following:

An overview of the company and its needs

A logical network drawing for Acme to depict the recommended WAN

Recommendations for the type of leased lines the company should choose at each location, how each location will connect to headquarters, and whether or not each location should be able to connect with the others

Recommendations for what type of telecommunications system would work best for Acme: PBX or VoIP

The IP address scheme, including the range of IP addresses, broadcast addresses, and subnets

A VLAN to appropriately address Acme's concerns that departments that are not grouped together are logically connected

Recommendations for network equipment that should be placed at each location; also consider equipment based on the teleconferencing needs

Protocols that will be used for the routers at each location

Recommendations for wireless technology

Recommendations for securing the network

Create a 700- to 1,050-word network design document addressing each of Acme's requirements with your recommendations.

Follow APA formatting guidelines.

Post your design as a Microsoft® Word attachment.